# Release Notes:
# Express5800/320Ma
# Release 4.1.0

NEC Solutions (America), Inc.
NR004W

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Manual Name: *Release Notes: Express5800/320Ma Release 4.1.0*

Part Number: NR004W
Express5800/320Ma Software Release Number: 4.1.0
Publication Date: January 2006

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# Preface

## Purpose of This Manual

The *Release Notes: Express5800/320Ma Release 4.1.0* describe release contents and significant known problems. They also document new information that does not yet appear in other Express5800/320Ma online documentation.

## Audience

This document is intended for system administrators who will install this Express5800/320Ma software release and for others who need an overview of the release.

## Notation Conventions

This document uses the notation conventions described in this section.

### Warnings, Cautions, and Notes

Warnings, cautions, and notes provide special information and have the following meanings:

**WARNING**

**A warning indicates a situation where failure to take or avoid a specified action could cause bodily harm or loss of life.**

**CAUTION**

A caution indicates a situation where failure to take or avoid a specified action could damage a hardware device, program, system, or data.

NOTE

A note provides important information about the operation of an Express5800/320Ma system.

### Typographical Conventions

The following typographical conventions are used in Express5800/320Ma documents:

- The bold font emphasizes words in text or indicates text that you type, the name of a screen object, or the name of a programming element. For example:

  **Before** handling or replacing system components, make sure that you are properly grounded by using a grounded wrist strap.

  In the **System Properties** dialog box, click the **Hardware** tab.

  Call the **RegisterDeviceNotification** function.

- The italic font introduces new terms and indicates programming and command-line arguments that the user defines. For example:

  Many hardware components are *customer-replaceable units* (CRUs), which can be replaced on-site by system administrators with minimal training or tools.

  **copy** *filename1 filename2*

  Pass a pointer for the *NotificationFilter* parameter

- The monospace font indicates sample program code and output, including message text. For example:

  ```
  #include <iostream.h>
  ```

  ```
  The operation completed successfully.
  ```

## Notices

- All regulatory notices are provided in the site planning guide for your system.
- Although this guide documents modem functionality, modems are not available for all systems. Ask your sales representative about modem availability.
- ActiveService Network (ASN) is not currently available, but may be ordered in the future.

# Chapter 1
# Release Notes

This document provides information about the following topics:


- “Release Contents”
- “Installing Express5800/320Ma Software”
- “Special Procedures and Restrictions”
- “Known Problems”
- “Documentation”
- “Getting Help”


NOTE

The notes for this release may have changed since this document was printed. Before proceeding, check for an update at http://support.necsam.com/servers/.

## Release Contents

Express5800/320Ma software and documentation are distributed on two compact discs (CD-ROMs).

- The ExpressBuilder CD (1 of 2), contains the System software required to operate your system.
- The ExpressBuilder CD (2 of 2), contains Express5800/320Ma documentation in both online Help and Portable Document Format (PDF) formats.

NOTE

You need both CD-ROMs to complete the installation.

If you ordered Microsoft® Windows® Server 2003, Enterprise Edition, an ExpressBuilder CD is included, to be used if you need to perform an initial program load (IPL) of Express5800/320Ma System software.

## New Features Available in This Release

Express5800/320Ma System software includes the following new features:

- **Support for** Express5800/320Ma **Dual-Core systems.** These systems use dual-core Intel® Xeon® processors for increased performance.
- **Support for Express5800/320Ma Active Upgrade™ technology.** Using the optional Active Upgrade product, you can, in many cases, install software upgrades or hot fixes on your system with only a few seconds of interruption to your application processing. See the *Express5800/320Ma: Active Upgrade User's Guide* for information about this product.
- **Rapid Disk Resync (RDR) enhancements.** The following enhancements have been added:
  - Improved performance during disk verification. Also, the action **Stop Verify** has been added to ftSMC.
  - **Break Physical Disk from RDR Virtual Disk** in ftSMC. This action allows you to temporarily isolate a physical disk from an RDR virtual disk so that you can back up a snapshot of the disk contents.
  - Support for GUID Partition Table (GPT) disks. GPT partition style, new with Microsoft Windows Server 2003 Service Pack 1, is now supported for data (non-system) disks only, in addition to master boot record (MBR) partition style.

  See the *Express5800/320Ma: System Administrator's Guide* for information about RDR disk verification and **Break Physical Disk from RDR Virtual Disk**.
- **ActiveService™ Network (ASN) related enhancements.** The following features have been added to enhance ASN functionality:
  - Autonomous Call-Home. Virtual Technician Modules (VTMs) can now send alarms over the ASN even when the Windows operating system is not running (for example, in the rare case when a Fault-Resilient Boot (FRB) is unable to start the system).
  - Internet Dial-In. A modem is no longer necessary for the NEC Technical Support to dial in and provide system support over the ASN, if your VTMs are connected to a network with Internet access.
  - Modem control from ftSMC. You can now take an ASN modem out of service during replacement procedures and return it to service from ftSMC. See the *Express5800/320Ma: System Administrator's Guide* for details.

NOTE

ActiveService Network (ASN) is not currently available. NEC may offer this optional service in the future.

For a list of new and updated documents for this release, as well as information not yet included in the documents, see “Documentation” on page 1-5.

# Installing Express5800/320Ma Software

Table 1-1 lists the Express5800/320Ma system installation and configuration documents. There are two documents associated with each model:

- The document listed in the Initial Installation column explains how to install Express5800/320Ma software for the first time or how to complete the installation of software preinstalled on a new system.
- The document listed in the Configuration, Upgrade, and Remote Management column explains how to configure your system after it has been installed, how to install Express5800/320Ma System software, Windows, and firmware upgrades, and how to install Express5800/320Ma System software on PCs for remote management.

**Table 1-1. Express5800/320Ma Installation and Configuration Documentation**

| Model | Initial Installation | Configuration, Upgrade, and Remote Management |
|---|---|---|
| Express5800/320Ma | *Express5800/320Ma: Installation Guide* | *Express5800/320Ma: Software Installation and Configuration Guide* |

# Special Procedures and Restrictions

The following are special procedures and restrictions that apply to this release.

## Preserving Application Data When Using Active Upgrade™ Software

When you perform an upgrade using Active Upgrade™ software with saved configuration files, the software does not provide a warning when it discovers a system disk (that is, a disk that has a boot partition or a paging file) that has not been declared in the configuration files.

**CAUTION**

If you place a paging file on a disk that contains persistent (non-temporary) application data, the Active Upgrade™ software will automatically declare that disk to be a system disk. When the upgrade is committed, the disk on the production side will be overwritten, possibly with stale data, from the upgrade side, which may result in data loss.

Follow these guidelines to avoid data loss during upgrades:

- When configuring applications, make sure that you do not write persistent application data to a disk that has a boot partition or a paging file, or is declared to be a system disk in an Active Upgrade configuration file.
- When creating Active Upgrade configuration files, do not declare a disk that contains persistent application data to be a system disk.
- When configuring paging files, do not place them on disks that contain persistent application data.

For information about correctly using Active Upgrade™ software, see the *Express5800/320Ma: Active Upgrade User's Guide*.

### Avoiding Problems with the EMC® SANSurfer FC HBA Manager Utility

If your Express5800/320Ma system is connected to an EMC Storage System, avoid installing the EMC utility SANSurfer FC HBA Manager. This utility prevents failover of QLogic® host bus adapters (HBAs). It also prevents Active Upgrade from working .

**CAUTION**

If you do install the SANSurfer FC HBA Manager utility to update the firmware on a QLogic HBA, uninstall it immediately after use. While it is installed, your system cannot fail over a QLogic HBA, so that the fault tolerance of your system is compromised.

### Configuring VTMs

The SMM Admin Dialback Number, a configuration setting for Virtual Technician Modules (VTMs), is not yet implemented. You can configure a dialback number for your administrator account, but when you dial in to a VTM, it does **not** hang up the connection and dial the dialback number. When you dial into and log into the VTM, the connection remains established until you log out and hang up. See the *Express5800/320Ma Virtual Technician Module User's Guide* for additional information on configuring VTMs.

## Known Problems

This section describes known problems in this release.

### Message Box May Block Shutdown or Restart

**Description** Intermittently, a message dialog box with the following message may appear when the system is being shut down or restarted:

*This application has failed to start because WINHTTP.dll was not found. Re-installing the application may fix this problem.*

The shutdown or restart will not proceed until the message dialog box is closed.

**Workaround** This message can be safely ignored. Click **OK** to close the dialog box, and the shutdown or restart will proceed normally.

### PROSet May Not Correctly Set Ethernet Team Names in Windows

**Description** When you create two or more teams on a new system or a system on which an IPL has just been performed, one of the teams may not have the name you assigned it. In the PROSet utility, the team name appears to be set correctly, but in Windows Network Connections, it is not the name you specified.

**Workaround** Use the PROSet utility to rename the incorrectly-named team.

**To rename an incorrectly-named team**

1. In PROSet, right-click the team name in the *Network Components* tree, and click **Rename Team**.
2. If you want to use the original name, type a temporary name in the **Enter Team Name** field of the Rename Team dialog box, and click **OK**. Otherwise skip to Step 5.
3. In the main PROSet dialog box, click **Apply**.
4. Again, right-click the team name, and click **Rename Team**.
5. In the Rename Team dialog box, type the desired name for the team in the **Enter Team Name** field. and click **OK**. If you skipped Steps 2 through 4, this name must be different from the original name. Otherwise, Windows Network Connections will not be updated.
6. In the main PROSet dialog box, click **Apply** to apply the change or **OK** to apply the change and close PROSet.

## Documentation

Some updates and corrections that are not yet included in the documentation are listed later in this section. You can view nearly all Express5800/320Ma documentation online.

Table 1-2 lists documents for Express5800/320Ma 3.2 GHz, 3.6 GHz, and Dual-Core systems.

**Table 1-2. Documentation**

| Document |
|---|
| *Release Notes: Express5800/320Ma Release 4.1.0* |
| *Express5800/320Ma: Software Installation and Configuration Guide* |
| *Express5800/320Ma: System Administrator's Guide* |
| *Express5800/320Ma: Technical Reference Guide* |
| *Express5800/320Ma: PCI Adapter Guide* |
| *Express5800/320Ma ActiveService Network Configuration Guide* |
| *Express5800/320Ma Virtual Technician Module User's Guide* |
| *Express5800/320Ma: Site Planning Guide* |
| *Read Me First: Unpacking Express5800/320Ma Cabinets* |
| *Express5800/320Ma: Installation Guide* |
| *Express5800/320Ma: Operation and Maintenance Guide* |

## Documentation Updates and Corrections

The following information does not yet appear in the documentation.

### Software Availability Manager (SAM) and Microsoft Outlook® Express 6

If you are running Outlook Express 6 as your default mail handler, you must change the default setting of the **Warn me when other applications try to send mail as me** option before you can use the SAM email alert feature. Change the setting as follows:

1. In Outlook Express, click the **Tools** menu and then click **Options**.
2. Click the **Security** tab.
3. Clear the check box next to **Warn me when other applications try to send mail as me**, and then click **OK**.

If you leave the box checked, Outlook Express blocks the sending of SAM email alerts.

## Obtaining Documentation

Almost all Express5800/320Ma documentation is available online.

To gain access to the documents on the World Wide Web, point your browser to the Express5800/320Ma web site:

http://support.necsam.com/servers/

# Getting Help

If you have a technical question about Express5800/320Ma hardware or software, try these online resources first:

- **Online support from NEC Technical Support.** You can find the latest technical information about an Express5800/320Ma through online product support at the NEC Technical Support Web site:

  http://support.necsam.com/servers/

- **Online product support for Microsoft® products**. Your primary source for support is the computer manufacturer who provided your software, or an authorized Microsoft Support Provider. You can also find the latest technical information about Microsoft Windows® and other Microsoft products through online product support at the Microsoft Help and Support Web site:

  http://support.microsoft.com/

If you are unable to resolve your questions with the help available at these online sites, and the Express5800/320Ma system is covered by a service agreement, please contact NEC Technical Support (866-269-1239).